

Name: _____

at1110paper__practice__test (v13)

1. Solve the equation.

$$7x^2 - 23x + 42 = 5x^2 - 4x - 3$$

2. Factor the expression.

$$x^2 + 9x + 20$$

3. Solve the equation.

$$(8x + 9)(6x + 5) = 0$$

4. Solve the equation with factoring by grouping.

$$6x^2 + 8x - 15x - 20 = 0$$

5. Expand the following expression into standard form.

$$(8x - 7)(8x + 7)$$

6. Expand the following expression into standard form.

$$(7x + 5)^2$$

7. Factor the expression.

$$16x^2 - 25$$

8. Expand the following expression into standard form.

$$(5x + 6)(9x - 4)$$